



A word cloud of educational and technical terms. The words are arranged in a circular pattern, with 'Technical Education' at the center. Other prominent words include 'Career', 'Math', 'Science', 'Academic', 'Economics', 'Integration', 'Instruction', 'Rigorous', 'Certified', 'Credit', 'Review', 'Fidelity', 'Process', and 'Curriculum'. The words are in various colors (orange, green, black, blue) and sizes, creating a dynamic visual effect.

Math Teachers Career Integration Instruction Rigorous Certified Credit Review Fidelity Process Curriculum Science Academic Economics Technical Education



CTE: Integrated Academic Credit

CTE Administrators Meeting

September 10, 2014
Embassy Suites Phoenix - Tempe



Guidance Document

Local Education Agency Guidance for Establishing Career and Technical Education Programs Eligible for Academic Credit

Purpose: It is critical that Local Education Agencies (LEA) seeking to offer academic credit through Career and Technical Education (CTE) programs have a defined procedure for identifying Arizona academic standards integrated into CTE program standards and curriculum at the appropriate high school level in the academic subject considered for credit. It is equally important that the LEA have defined policies and procedures in place for local governing board approval. The purpose of this document is to offer suggestions for the development of such policies and procedures. Established operational procedures from several LEAs as well as the Arizona State Board of Education *“Process for Establishing Career and Technical Education Programs Eligible for Academic Credit in Mathematics”* were used to compile this document.



<http://www.azed.gov/career-technical-education/files/2011/06/guidance-document-for-embedded-academic-credit.pdf>

History

2009

R7-2-302(4)(a) **Minimum Course of Study and Competency Requirements for Graduation from High School Beginning with the Graduation Class of 2013** passed by the Arizona State Board of Education (SBE).



State Board Rule

Local school district governing boards or charter schools may grant to career and technical education program completers:

- a maximum of 5 1/2 credits to be used toward graduation requirements in:
 - English
 - Mathematics
 - Science
 - Economics



Subject to Restrictions

- The Board has approved the career and technical education program for equivalent credit.
- A credit or partial credit may apply toward more than one subject area but shall count only as one credit.
- A student is still required to earn 22 total credits to meet the graduation requirements.

Rule Compliance

- In collaboration with the K-12 Academic Standards Unit a **“Process for Establishing Career and Technical Education Programs Eligible for Academic Credit”** was developed.
- Process provides a coherent framework.
- Process begins with approving CTE programs eligible for a 4th credit in mathematics.



Programs Approved Eligible for 4th Credit in Mathematics

- Accounting and Related Services **
- Automotive Technologies
- Business Management and Administrative Services (BMAS)
- Software Development
- Mechanical Drafting
- Architectural Drafting
- Construction Technologies
- Engineering Sciences
- Welding Technologies

*** (pending SBE approval Oct 2014)*



Continuing Work

- Enhance Accounting and Related Services program with optional “capstone” course to be presented to SBE in October
- Review CTE programs for integrated economics standards during fall 2014; present eligible programs to the SBE in December
- Review CTE programs for integrated science standards beginning spring 2015



LEA Commitment

Local Governing Boards granting integrated credit will ensure the following:

- CTE programs meet the elements of approved CTE programs
- LEA implements a rigorous curriculum review process that includes substantial connections to Arizona's academic standards
- CTE programs providing integrated credit will provide CTE and academic instruction with fidelity
- Local CTE programs are taught by appropriately certified teachers



Support for LEAs

ADE is committed to providing ongoing, relevant support to districts by:

- Providing guidance documents
- Providing resource materials
- Providing professional development opportunities
- Collaborating with external partners
- Identifying models that can serve as resources



LEA Opportunity

LEAs may request consideration to grant academic credit for CTE programs that have not been approved by the SBE by:

- Presenting compelling evidence that the programs have increased rigor and sufficiently integrated Arizona academic standards
- Outlining the LEA requirements and procedure by completing the checklist available on the CTE website:

<http://www.azed.gov/career-technical-education/academic-standards/>



Checklist

Local Education Agency Requesting Consideration for a CTE Program to Grant Integrated Academic Credit Checklist

Local Education Agencies have the opportunity to request consideration to grant academic credit for CTE programs that have not been approved by the State Board of Career and Technological Education. LEAs may submit compelling evidence that a program has increased rigor and sufficiently integrated Arizona academic standards to CTE for review and consideration.

District Name: _____

CTE Program: _____ CIP CODE _____

Academic Credit Consideration: _____

Contact Person: _____ Phone: _____ Email: _____

Below are the essential items that a Local Education Agency must complete prior to submitting a request for review and consideration by the State Board of Career and Technological Education:

<http://www.azed.gov/career-technical-education/academic-standards/>



LEA Participation is Crucial

Ongoing need for CTE program teachers and academic teachers to participate in:

- Analysis of academic standards integrated in CTE programs
- Development of crosswalks and resource materials
- Demonstration of best practices in delivering academic content within CTE programs



Please support staff in participating in these vital activities.

Math-in-CTE

2014-2015 Cohorts

Fridays and Saturdays
(tentative dates)

North Lake Havasu (?)	Central Phoenix	South Tucson
Oct 31-Nov 1	Nov 14-15	Nov 21-22
Jan 23-24	Feb 13-14	Jan 9-10
Feb 27-28	April 24-25	Feb 20-21
May 29-30	June 12-13	April 17-18
June 19-20	July 10-11	June 5-6

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